



# VST-236/240-1

*Insulated  
Articulated/Telescopic Aerial*

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## *FEATURES INCLUDED IN THE VST-236/240-1*

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### **CONTINUOUS ROTATION**

Unrestricted rotation is accomplished by a hydraulically driven worm and spur gear with a shear-ball rotation bearing. The critical bolts holding the lift to the rotation bearing and the rotation bearing to the pedestal are grade 8 hex head capscrews. These critical bolts are torque seal marked to provide a quick means of detecting any turning of the bolt upon inspection.

### **HYDRAULIC PLATFORM ROTATOR & LEVELING**

A hydraulic platform rotator, operated by a control lever, rotates the platform 180° from one side of the outer/inner boom assembly, across the end-hung position, to the other side of the outer/inner boom assembly. A master and slave cylinder controls platform leveling. The leveling system can be operated from the upper controls to adjust platform leveling, tilt the platform for clean out, or to ease the removal of an injured operator.

### **LOWER BOOM WITH CHASSIS INSULATING SYSTEM**

Each end of a high strength fiberglass insert (chassis insulating system) is installed over a rectangular 8 in. x 10 in. (203 mm x 254 mm) high strength steel section. The steel and fiberglass sections are bonded with pressure-injected epoxy to fill any voids. A compensation link with a fiberglass section maintains the 12 in. (305 mm) insulation gap in all the boom positions. The double acting cylinder, with an integral holding valve, allows the lower boom to articulate from horizontal to 80° above horizontal. The lower boom encloses a parallelogram linkage to maintain the knuckle at a constant angle to the turret.

### **OUTER/INNER BOOM ASSEMBLY**

The outer/inner boom assembly includes an outer boom, telescopic inner boom, extension system, and hose assemblies. The outer boom consists of an 8 in. x 10 in. (203 mm x 254 mm) steel section and a 9 in. x 11 in. (229 mm x 279 mm) fiberglass section (Electrogard) to maintain a 38 in. (0.97 m) insulation gap when the inner boom is fully retracted. This 38 in. insulation gap allows Category C 46KV certification when the inner fiberglass boom is fully retracted. The 6-7/8 in. x 8-7/8 in. (165 mm x 216 mm) rectangular fiberglass inner boom is housed within the outer boom. The inner boom can be easily removed and disassembled for service and inspection. The extension system consists of a hydraulic cylinder, two integral holding valves, and dual #50 roller chains housed entirely within the boom assembly. The hoses routed through the outer/inner boom assembly are non-conductive and fully contained within the boom assembly. The outer/inner boom assembly articulates from 25° below horizontal to 85° above horizontal. Actuated by a double acting cylinder that has two, integral holding valves, the outer/inner boom assembly is offset to one side to provide easy access to the platform. A boom support cradle and a boom tie down strap are included.

### **PLATFORM**

The closed fiberglass platform is 24 in. x 24 in. x 42 in. deep (.61 m x .61 m x 1.07 m) with an inside and outside step for easy access.



# VST-236/240-I

## Insulated Articulated/Telescopic Aerial



### General Specifications

(Based on 40 in (1.01 m) Frame Height)

	VST-236-I	VST-240-I
Horizontal Reach .....	26 ft. (7.9 m)	30 ft. (9.14 m)
Standard Platform Capacity .....	400 lbs. (180 kg)	400 lbs. (180 kg)
Maximum Platform Capacity .....	600 lbs. (272 kg)	500 lbs. (227 kg)
Lower Boom Lift Eye capacity .....	1000 lbs. (455 kg)	1000 lbs. (455 kg)
Jib Articulation .....	0° to +50°	0° to +50°
Jib Rotation .....	30° cw to 30° ccw	30° cw to 30° ccw

### With Standard Pedestal

Platform Height .....	36 ft. 1 in. (11 m)	40 ft. (12.2 m)
Working Height .....	41 ft. 1 in. (12.5 m)	45 ft. (13.7 m)
Stowed Travel Height .....	10 ft. 2 in. (3.1 m)	10 ft. 2 in. (3.1 m)
Weight of Lift w/Material Handler ...	3,500 lbs. (1590 kg)	3,600 lbs. (1633 kg)

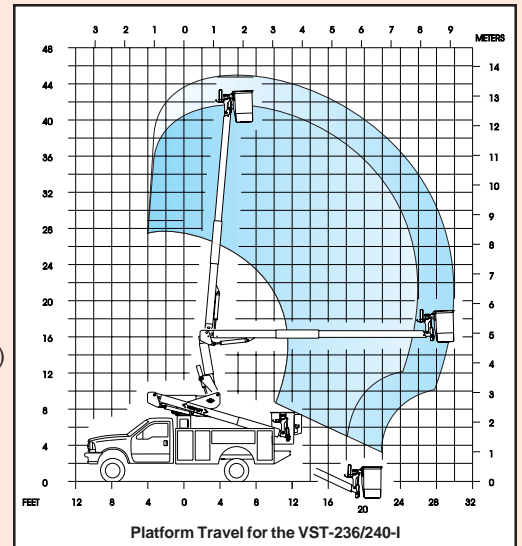
### Hydraulic System

Operating Pressure .....	2500 psi (175 kg/cm <sup>2</sup> )	2500 psi (175 kg/cm <sup>2</sup> )
Flow Rate .....	6 gpm (22.7 lpm)	6 gpm (22.7 lpm)
Filtration Return .....	10 Micron Return	10 Micron Return
Filtration Suction .....	100 Mesh Suction	100 Mesh Suction
System Type .....	Open Center	Open Center
Power Source Option .....	PTO Pump	PTO Pump

### Electrical Insulation Gap

Upper Boom Fully Retracted .....	38 in. (0.97 m)	38 in. (0.97 m)
Upper Boom Fully Extended .....	122.5 in. (3.11 m)	146.5 in. (3.72 m)
Lower Boom .....	12 in. (305 mm)	12 in. (305 mm)

**NOTE:** 1. Specifications may vary without prior notification.  
2. Required GVWR can vary significantly with lift mounting location, service body, material handling option, accessories, and desired payload.



## Options

- Up to 600 lbs. Platform Capacity
- Outriggers and Torsion Bars
- Second Set of Tool Power Ports
- Taller Pedestal (6 in., 12 in. or 18 in.)
- Two-Speed Manual Throttle Control
- Material Handling Jib and Winch
- Emergency 12V Power



The Versalift "Unitrol" makes platform and controls simple to operate.

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MANUFACTURING COMPANY  
P. O. Box 20368  
Waco, TX 76702-0368  
Tel.: 254-399-2100  
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www.timemfg.com



Jib & winch provide 800 lbs of material handling capacity.



The working height is over 40 feet, with standard pedestal.